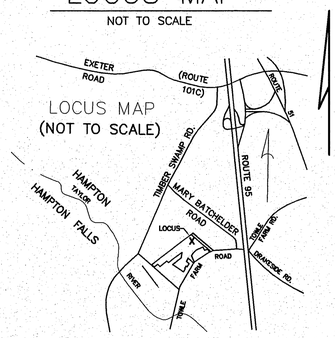
## LOCUS MAP

NOT TO SCALE




SOIL CLASS: 66 PAXTON

(SOURCE: USDA–SCS SOIL SURVEY)

BENCH MARKS: DATUM = ASSUMED

| | |
|---|---|
| #1 | SET NAIL ROOT CLUMP MAPLES EL 49.32 |
| #2 | WATER GATE EL 50.98 |
| #3 | SET PK EL 48.48 |
| #4 | SET HUB EL 53.10 |

DESIGN INTENT:

1. THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT ELEVATION 51.0 WHICH IS APPROX 0" ABOVE ORIGINAL GROUND ON THE HIGH CONTOUR OF DESIGNED EDS. EL 51.0

SUITABLE REPLACEMENT AREA:

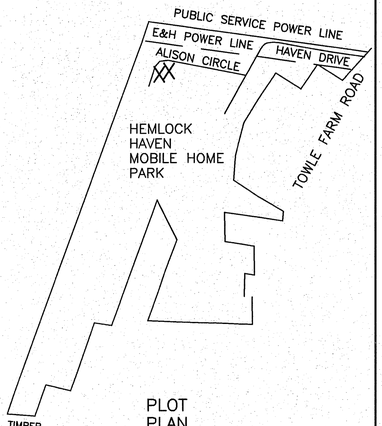
SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

LEGEND:

| | |
|---|---|
| 50 | EXISTING CONTOUR |
| (50) | PROPOSED CONTOUR |
| 50.0 | EXISTING SPOT ELEVATION |
| (50.0) | PROPOSED SPOT ELEVATION |

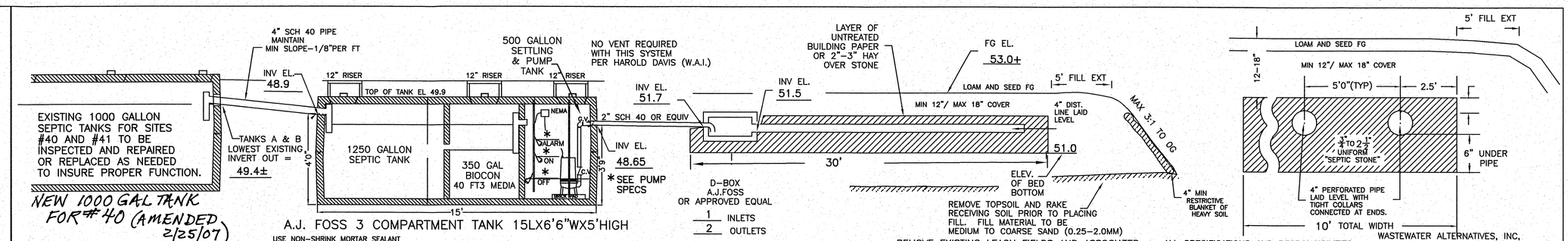
NOTES:

1. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE: TITLE INSURANCE SURVEY BY OTHERS
2. NHDES–WS&PCD SUBDIVISION APPROVAL NUMBER: #12569, #13391
3. THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL, JACUZZI BATH, OR SEWAGE EJECTOR PUMP WASTE. BACKWASH FROM WATER SOFTENER SYSTEMS SHOULD BE DISCHARGED TO A SEPARATE DRYWELL.
4. NO SURFACE WATER OR WELL WITHIN 75' OF PROPOSED SYSTEM.
5. THESE MOBILE HOME SITES ARE IN A SECTION OF THE PARK THAT PREDATES 1967 ENABLING LEGISLATION. HAMPTON TAX MAP #138 LOTS 1–40 AND 1–41.




PLOT PLAN

1"=APPROX 200'

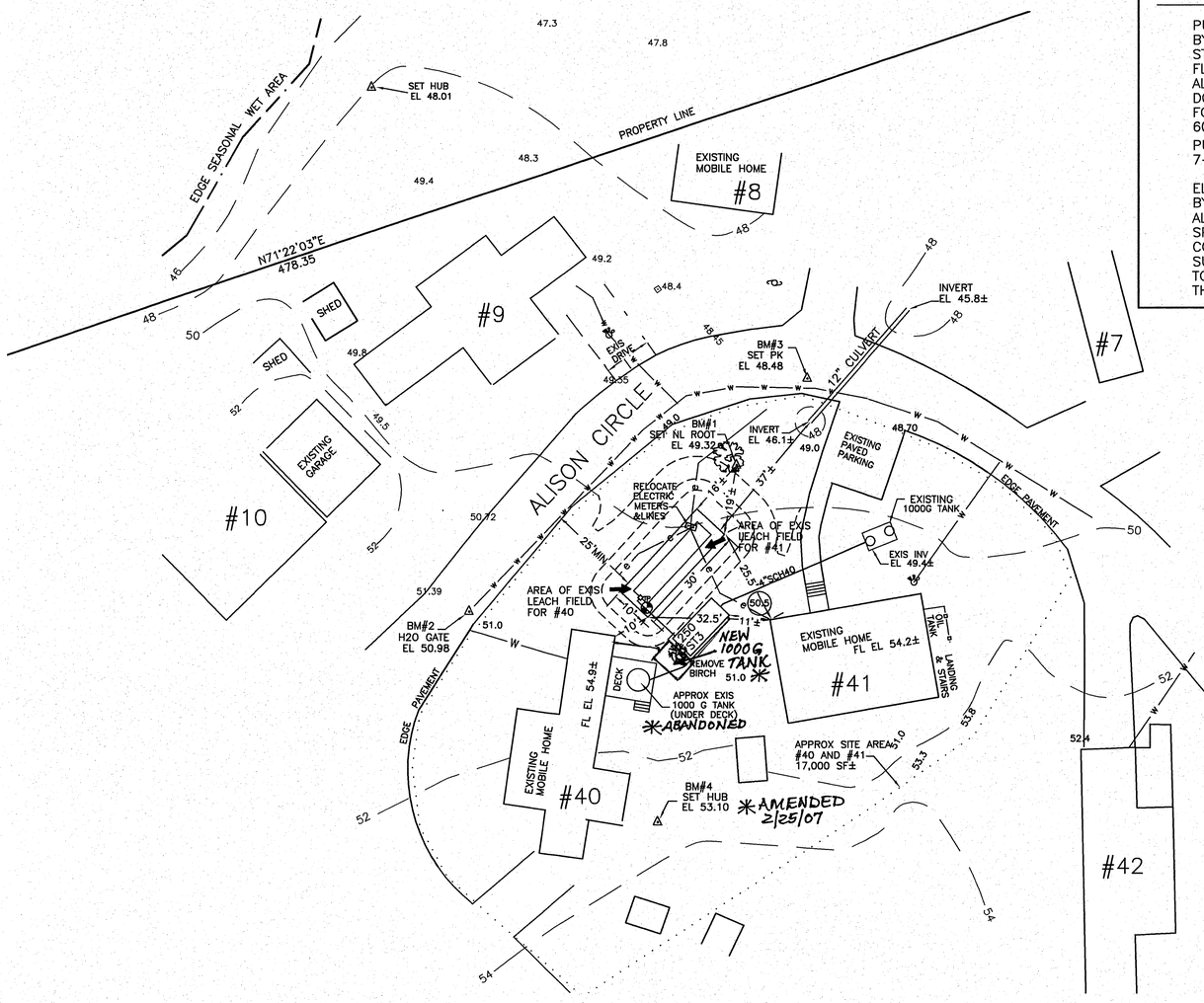

4" SCH 40 PIPE MAINTAIN MIN SLOPE–1/8"PER FT
INV EL. 48.9
12" RISER
TOP OF TANK EL 49.9
500 GALLON SETTLING & PUMP TANK
NO VENT REQUIRED WITH THIS SYSTEM PER HAROLD DAVIS (W.A.I.)
EXISTING 1000 GALLON SEPTIC TANKS FOR SITES #40 AND #41 TO BE INSPECTED AND REPAIRED OR REPLACED AS NEEDED TO INSURE PROPER FUNCTION.
TANKS A & B LOWEST EXISTING INVERT OUT = 49.4±
NEW 1000 GAL TANK FOR #40 (AMENDED 2/25/07)
1250 GALLON SEPTIC TANK
350 GAL BIOCON 40 FT3 MEDIA
NEMA
ALARM
ON
OFF
INV EL. 48.65
* SEE PUMP SPECS
INV EL. 51.7
2" SCH 40 OR EQUIV
INV EL. 51.5
LAYER OF UNTREATED BUILDING PAPER OR 2"–3" HAY OVER STONE
FG EL. 53.0±
LOAM AND SEED FG
5' FILL EXT
MIN 12"/ MAX 18" COVER
4" DIST. LINE LAID LEVEL
MAX 3:1 TO OG
51.0
ELEV. OF BED BOTTOM
30'
D–BOX A.J.FOSS OR APPROVED EQUAL
1 INLETS
2 OUTLETS
REMOVE TOPSOIL AND RAKE RECEIVING SOIL PRIOR TO PLACING FILL. FILL MATERIAL TO BE MEDIUM TO COARSE SAND (0.25–2.0MM)
4" MIN RESTRICTIVE BLANKET OF HEAVY SOIL
REMOVE EXISTING LEACH FIELDS AND ASSOCIATED ORGANIC MATERIAL THROUGHOUT FILL EXTENSION.
A.J. FOSS 3 COMPARTMENT TANK 15LX6'6"WX5'HIGH
USE NON–SHRINK MORTAR SEALANT OR APPROVED EQUAL
N/A FOUNDATION DRAINS
5' FILL EXT
LOAM AND SEED FG
12–18"
MIN 12"/ MAX 18" COVER
5'0"(TYP)
2.5'
1" TO 2½" UNIFORM "SEPTIC STONE"
6" UNDER PIPE
4" PERFORATED PIPE LAID LEVEL WITH TIGHT COLLARS CONNECTED AT ENDS.
10' TOTAL WIDTH

CROSS SECTION DISPOSAL SYSTEM – NOT TO SCALE

ALL SPECIFICATIONS AND RESPONSIBILITIES OUTLINED IN THE CLEAN SOLUTION MANUAL ARE A PART OF THIS DESIGN. MAINTENANCE CONTRACT MUST BE EXECUTED PRIOR TO INSTALLATION.

WASTEWATER ALTERNATIVES, INC,
TECHNOLOGY DEVELOPED BY:
HAROLD DAVIS
37 CHAMPNEY STREET
GROTON, MA 01450
978 448–2415

PLAN : 1"=20'




## PUMP SPECIFICATIONS

PUMP SELECTION AND PIPING BY WASTEWATER ALTERNATIVES. STA–RITE EC 440 4/10 HP FLOATS TO BE SET TO WASTEWATER ALTERNATIVES SPECIFICATIONS FOR DOSAGE OF 125 GALLONS PER DAY FOR 4.8 CYCLES PER DAY BASED ON 600 GPD DESIGN LOADING.

PUMP WILL DELIVER APPROX 57 GPM AT 7–8'± TDH WITH 2 MIN EST RUNNING TIME.

ELECTRICAL CONTROLS MUST BE APPROVED BY PUMP MANUFACTURER. ALL WASTEWATER ALTERNATIVES SPECIFICATIONS AS OUTLINED IN THE CONTRACT AND MAINTENANCE AGREEMENT SUBMITTED WITH THIS APPLICATION ARE TO BE CONSIDERED AN INTEGRAL PART OF THIS PLAN.

## TEST PIT DATA

TEST PIT ELEV 51.0 5/12/06

| | |
|---|---|
| 0–3" | 10YR3/3 FINE SANDY LOAM, GRANULAR FRIABLE |
| 3–27" | 10YR4/4 MED SAND, GRANULAR FRIABLE |
| 27–48" | 2.5Y4/4 SILTY FINE SANDY LOAM, MASSIVE, WET |

ESHWT@ 24", OBSERVED WATER AT 25", NO REFUSAL (HEAVY ANTECEDENT RAIN)

## PERC TEST DATA

PERCOLATION RATE ESTIMATED 5 MIN/IN @ 24"DEPTH 5/12/06

DESIGN LOADING: TWO EXISTING 2 BEDROOM MOBILE HOMES FOR TOTAL 4 BEDROOMS (600 GPD)

AREA REQUIRED: PER CLEAN SOLUTION SPECIFICATIONS: 200 SF DISPERSAL AREA REQUIRED

AREA PROPOSED: 10' X 30' = 300 SF PROVIDED (DISPERSAL AREA)

PROPOSED REPLACEMENT

# SEPTIC SYSTEM PLAN

EXISTING FAILED SYSTEM (#41)

LOCUS: #40 AND #41 HEMLOCK HAVEN
HAMPTON, NH

OWNER: RICHARD AND RUTH BLEY
83 HEMLOCK HAVEN
HAMPTON, NH 03842

NEW HAMPSHIRE Designer of Subsurface Disposal Systems ••• Ann W. Bialobrzeski No. 348. Water Supply & Pollution Control

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03842
AMENDED 2/25/07
NEW TANK #40
DATE: MAY 15, 2006

APPROVAL: CA2006080846

SYSTEM OWNER IS RESPONSIBLE FOR THE FOLLOWING OPERATING REQUIREMENTS

ENV–WS 1023.01 (a) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR. (b) WHEN THE COMBINED THICKNESS OF SLUDGE AND SURFACE SCUM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER.

ENV–WS 1023.02 TO PREVENT OBSTRUCTION OF THE DISTRIBUTION LINES AND LEACH FIELD, GREASE AND BULKY WASTE SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.03 TOXIC AND HAZARDOUS MATERIALS SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.04 TO PREVENT DAMAGE TO THE DISTRIBUTION LINES AND LEACH FIELD, VEHICLES, LIVESTOCK, AND OTHER HEAVY OBJECTS SHALL NOT BE ALLOWED ON THE LEACH FIELD.

ENV–WS 1023.05 IF WET AREAS APPEAR ON THE GROUND SURFACE ABOVE THE DISTRIBUTION LINES OR LEACH FIELD OR IF DISAGREEABLE ODORS OCCUR, THE SYSTEM SHALL BE INSPECTED FOR THE SOURCE OF THESE PROBLEMS, AND CORRECTIVE ACTION SHALL BE TAKEN.

RESUBMITTED CA 20070086506